

Application No.: 10/593,822

RECEIVED
CENTRAL FAX CENTER

APR 25 2008

AMENDMENTS TO THE CLAIMS:*Please amend the claims as follows:*

1. (Currently Amended) ~~[[A]]~~ The glass identification recovery method according to claim 20 for recycling a target material that includes glass, comprising: wherein analyzing the glass composition includes:

irradiating the first side of the front glass or the rear glass target material with X-rays to obtain a fluorescent X-ray spectrum for the front glass or the rear glass target material; and

identifying the type of glass included in the front glass or the rear glass target material by analyzing and comparing ~~[[the]]~~ a fluorescent X-ray spectrum group for a specific glass substance group with the fluorescent X-ray spectrum of the front glass or the rear glass target material,

wherein identifying the type of glass involves performing compositional analysis of the fluorescent X-ray spectrum of the front glass or the rear glass target material and compositional analysis of the fluorescent X-ray spectrum group of the specific glass substance group, comparing the analysis results, and determining the degree of agreement.

2. (Currently Amended) The glass recovery method according to claim 20, wherein analyzing the glass composition includes A glass identification method for recycling a target material that includes glass, comprising:

irradiating the first side of the front glass or the rear glass target material with X-rays to obtain a fluorescent X-ray spectrum for the front glass or the rear glass target material; and

Application No.: 10/593,822

identifying the type of glass included in the front glass or the rear glass ~~target material~~ by analyzing and comparing the fluorescent X-ray spectrum group for a specific glass substance ~~group~~ with the fluorescent X-ray spectrum of the front glass or the rear glass ~~target material~~,

wherein identifying the type of glass involves finding the difference between the fluorescent X-ray spectrum of the front glass or the rear glass ~~target material~~ and the various spectra of the fluorescent X-ray spectrum group of the specific glass substance ~~group~~, and determining the degree of agreement.

3. (Currently Amended) The glass ~~identification~~ recovery method according to Claim [[1]] 20, wherein the ~~target material and/or the specific substance group is a glass substrate used for a display panel is a plasma display panel.~~

4. (Currently Amended) The glass ~~identification~~ recovery method according to Claim [[1]] 20, wherein at least one of the front glass and the rear glass includes ~~target material and the specific substance group include~~ at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.

5-7. (Cancelled)

8. (New) The glass recovery method according to Claim 1, wherein the specific glass includes at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.

9. (New) The glass recovery method according to Claim 2, wherein the specific glass includes at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.

Application No.: 10/593,822

10. (New) The class recovery method according to Claim 1, wherein the display panel is a plasma display panel.

11. (New) The glass recovery method according to Claim 10, wherein at least one of the front glass and the rear glass includes at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.

12. (New) The glass recovery method according to Claim 11, wherein the specific glass includes at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.

13. (New) The class recovery method according to Claim 2, wherein the display panel is a plasma display panel.

14. (New) The glass recovery method according to Claim 13, wherein at least one of the front class and the rear class includes at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.

15. (New) The class recovery method according to Claim 14, wherein the specific glass includes at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.

16. (New) The glass recovery method according to Claim 1, wherein at least one of the front glass and the rear glass includes at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.

Application No.: 10/593,822

17. (New) The glass recovery method according to Claim 16, wherein the specific glass includes at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.

18. (New) The glass recovery method according to Claim 2, wherein at least one of the front glass and the rear glass includes at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.

19. (New) The glass recovery method according to Claim 18, wherein the specific glass includes at least one element selected from potassium, calcium, iron, strontium, zirconium, barium, and hafnium.

20. (New) A glass recovery method for recycling glass of a display panel, comprising:
separating the display panel into a front glass and a rear glass;
analyzing a glass composition by using a first side that is included in the front glass or the rear glass and has not undergone a glass processing;
removing a surface layer of a second side that is included in the front glass or the rear glass and has undergone the glass processing; and
making the front glass or the rear glass into cullet.